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Cont

a flushing signal generating unit operable to generate a flushing signal that causes said recording head to jet only ink particles with a momentum greater than a predetermined value through said nozzle so as to not form a mist.

34. (Amended) An ink-jet recording apparatus comprising:
a recording head provided with a nozzle, said recording head being operable to jet ink particles through said nozzle; and

a flushing signal generating unit operable to generate a flushing signal that causes said recording head to intermittently jet sets of ink particles comprising a main ink jet particle and minute ink jet particles after the main ink jet particle through said nozzle, wherein

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the minute ink jet particles of a previous set combine with the main ink jet particle of a following set in a range of a predetermined distance from said nozzle so that an amount of the minute ink jet particles scattered in mist can be reduced.